## W. B. HATAWAY & COMPANY

P. O. Box 3602 Tel. 832-6409 — 866-4822 — 866-2579 BEAUMONT, TEXAS 77704

CERTIFICATED CHEMISTS N F P A / O S W. B. HATAWAY, NO. 537 I. T. ARRINGTON, No. 588

## MARINE CHEMIST'S CERTIFICATE SBA Shipyard, Inc.

	SURVEY REQUESTED BY	
JAR 5	Sun Oil Co-	2/22/77
vessel Tank barge	JW Indicator	10:30 AM DATE
TYPE VESSEL SBA Yard	Lube oil TEST METHOD	5463 TIME OF COMPLETION
LOCATION	LAST CARGO	CERTIFICATE NO.

Inspection and air tests show the following:

Shifting of vessel within shipyard permitted Yes\_X\_No\_

All cargo tanks (3) clean and gas free, safe for men and fire, AIR BLOWER IN WORK TANK.

Wing double bottom tanks 1 thru 4 P&S-gas frees clean except some grease coating, safe for men.

Forward and aftr rakes-clean and gas free, some immune grease coating, wipe in way of work, have air ventilation, thensafefor men and fire.

Cargo lines-open, drained.

Deepwell pump-open, drained.

Steam coils air blown, gas free.

Work must be commenced within 24 hours of date and time of issuance, unless otherwise noted. In the event of any physical or atmospheric changes affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affocted. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not sate" unless otherwise specifically designated.

Standard Safety Designations

SAFE FOR MEN. Means that in the compartment or space so designated: (a) The oxygen content of the atmosphere is at least 18.0 percent by volume; and that, (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) in the judgment of the Marine Chemist, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

SAFE FOR FIRE. Means that in the compartment so designated: (a) The concentration of flam-mable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (b) In the judgment of the Marine Chemist, the residues are not capable of producing a higher con-centration than permitted by 1-5.2 (a) under existing atmospheric conditions in the presence of fire and while maintained as directed on the Marine Chemist's Certificate; and further, (c) All adseent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or, in the case of fuel tanks, have been treated as deemed necessary by the Marine

SAFE FOR SHIPBREAKING. Means that the compartment so designated: (a) Shall meet the re-quirements of 1-5.1; and, (b) in the judgment of the Marine Chemist, the residual conbustible materiats designated are not capable of producing fires beyond the extinguishing capabilities of the equipment on hand; and, (c) All adjacent compartments or spaces shall meet the requirements of 1-5.2 (c).

Chemist's Endorsement

This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with the Standard For the Control of Gas Hazards on Vessels to Be Repaired, adopted by the National Fire Protection Association, and have found the condition of each to be in accordance with its assigned designation.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

The undersigned shippard representative acknowledges receipt of this Certificate and understands the conditions and limitations under which it was issued.

Time Title Date Shipyard Representative

CULTIFICATED CHEMISTS N 1 P A W. B. HATAWAY, NO. SW T. ARRINGTON, NJ. 538

> STADISTREO SBA Shipyard, Inc.

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	RVEY REQUESTED BY	ius i	•
2/22/77	- 6) Lies 10	ري	JAR 5
10:30 AM DATE	OWNER OR AGENT		visseu Tank barge
5463 TIME OF COMPLETION	oil rest Merston	edu.l	SBA Vard
CZRTUTCATH NO.	LAST CARGO		TOCKEION
dildin shipyard permitted Yes X No	Shifting of vessel w	owing:	Inspection and air tests snow the following
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ыкыкки grease costing,	an and gas free, some	rakes-cle	Forward and aftr

wipe in way of work, have sir ventilation, thensafefor men and fire.

Cargo lines open, drained.

Deepwell cump-open, drainet.

Steam coils, air blown, gas free

Work must be commenced within 24 hours of date and time of issuance, unless otherwise noted. In the event of any physical or atmospheric changes affecting the gas-free condition of the above spaces, or if in any acute, in mediately stop all work and contact the undersigned.

Vector learning processes of the control of several security and the several sector of the several sector of the several sever this Cartiflete, regulator in pection and ensurgement in respect or Cartiflets for the spaces so official. All their vents, heating code, valvos, and statisty enclosed expertamends shall be consistent that safet unless otherwise specifically designation.

Standerd Safety Derignations

SAFE FOR MEN. Means that in the compartment or upage so designated; (in) The oxygen confent in the stimesphere is at least 12.0 percont by induner, that (in Toric materisls in the ex-cropphere are within perconnection concentrations, and (a) in the judgment of the Marine Chamist, that assidues so not expetite of producing town instancials under existing atmospheric conditions.

information and accorded on the Marian Chemistro Certificate.

SAFE FOR FRE, Media that in the compartment on designated: (s) The conscience of flammable in the attrouphoral below, 10 percent of the lower flammable limit, and that, (b) Into judgment of the Marine Chemist, the residues are not espatible of producing a higher con-cinctive interpretation by 1-3.2 (a) under existing atmospheric conditions in the presence of the and while metatasine as directed on the Mentina Chemist'. Cortificate; and inther, (c) All sejusted appears have either upon charies's utilizing by prevent the appeard of free, are subsectedly invalid, on in the case of fuel units, nevel been treated an deemed necessary by the Marine

SAEE FOR SHIPBREAKING, Muchs that the compartment so designated: (6) Shall mad the requisaments of 1-5.1; and, (b) In the judgment of the Marine Chemist, the residual combustible are tab designation are not repoule of producing fires beyong the extinguisting capabilities of the agulpment on hand, and, (c) All edjacont comparances or apaces shall ment the re-

Chemist's Endorsement This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with the Standard For the Control of Gas Hazarde on Vessele to Be Repaired, adopted by the Nedonal Fire Protection Association, and have found the condition of each to be in

accordance with its assigned designation. This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is lessied splitfed to compilance with all quelifications and instructions.

Signed . 🤼

Marine Choice it Cert. No.

Date

The undersigned snippard representative acknowledges receipt  $d^{\ell}$  this Certificate and understands the conditions and limitations under which it was issued.

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## W. B. HATAWAY & COMPANY

P. O. Box 3602 Tel. 832-6409 — 866-4822 — 866-2579 BEAUMONT, TEXAS 77704

CERTIFICATED CHEMISTS N F P A / O S W. B. HATAWAY, NO. 537 I. T. ARRINGTON, No. 588

## MARINE CHEMIST'S CERTIFICATE SBA Shipyard, Inc.

	SURVEY REQUESTED BY	
JAR 5	Sun Oil Co-	2/22/77
vessel Tank barge	JW Indicator	10:30 AM DATE
TYPE VESSEL SBA Yard	Lube oil TEST METHOD	5463 TIME OF COMPLETION
LOCATION	LAST CARGO	CERTIFICATE NO.

Inspection and air tests show the following:

Shifting of vessel within shipyard permitted Yes\_X\_No\_

All cargo tanks (3) clean and gas free, safe for men and fire, AIR BLOWER IN WORK TANK.

Wing double bottom tanks 1 thru 4 P&S-gas frees clean except some grease coating, safe for men.

Forward and aftr rakes-clean and gas free, some immune grease coating, wipe in way of work, have air ventilation, thensafefor men and fire.

Cargo lines-open, drained.

Deepwell pump-open, drained.

Steam coils air blown, gas free.

Work must be commenced within 24 hours of date and time of issuance, unless otherwise noted. In the event of any physical or atmospheric changes affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affocted. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not sate" unless otherwise specifically designated.

Standard Safety Designations

SAFE FOR MEN. Means that in the compartment or space so designated: (a) The oxygen content of the atmosphere is at least 18.0 percent by volume; and that, (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) in the judgment of the Marine Chemist, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

SAFE FOR FIRE. Means that in the compartment so designated: (a) The concentration of flam-mable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (b) In the judgment of the Marine Chemist, the residues are not capable of producing a higher con-centration than permitted by 1-5.2 (a) under existing atmospheric conditions in the presence of fire and while maintained as directed on the Marine Chemist's Certificate; and further, (c) All adseent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or, in the case of fuel tanks, have been treated as deemed necessary by the Marine

SAFE FOR SHIPBREAKING. Means that the compartment so designated: (a) Shall meet the re-quirements of 1-5.1; and, (b) in the judgment of the Marine Chemist, the residual conbustible materiats designated are not capable of producing fires beyond the extinguishing capabilities of the equipment on hand; and, (c) All adjacent compartments or spaces shall meet the requirements of 1-5.2 (c).

Chemist's Endorsement

This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with the Standard For the Control of Gas Hazards on Vessels to Be Repaired, adopted by the National Fire Protection Association, and have found the condition of each to be in accordance with its assigned designation.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

The undersigned shippard representative acknowledges receipt of this Certificate and understands the conditions and limitations under which it was issued.

Time Title Date Shipyard Representative

CULTIFICATED CHEMISTS N 1 P A W. B. HATAWAY, NO. SW T. ARRINGTON, NJ. 538

> STADISTREO SBA Shipyard, Inc.

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	RVEY REQUESTED BY	ius i	•
2/22/77	- 6) Lies 10	ري	JAR 5
10:30 AM DATE	OWNER OR AGENT		visseu Tank barge
5463 TIME OF COMPLETION	oil rest Merston	edu.l	SBA Vard
CZRTUTCATH NO.	LAST CARGO		TOCKEION
dildin shipyard permitted Yes X No	Shifting of vessel w	owing:	Inspection and air tests snow the following
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r men and fire, AIR BLOWER	and gas free, safe fo	(3),clern	ATT cergo tanks ( IN VORK TANK.
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wipe in way of work, have sir ventilation, thensafefor men and fire.

Cargo lines open, drained.

Deepwell cump-open, drained.

Steam coils, air blown, gas free

Work must be commenced within 24 hours of date and time of issuance, unless otherwise noted. In the event of any physical or atmospheric changes affecting the gas-free condition of the above spaces, or if in any acute, in mediately stop all work and contact the undersigned.

Vector learning processes of the second pullation of release of closure equipment tanding to ethic conditions in pipe these, finite or compartments subject to ges communistion, unless appoince by approved in this Cartiflete, regulator in pection and ensurgement in respect or Cartiflets for the spaces so official. All their vents, heating code, valvos, and statisty enclosed expertamends shall be consistent that safet unless otherwise specifically designation.

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Signed . 🤼

Marine Choice it Cert. No.

Date

The undersigned snippard representative acknowledges receipt  $d^{\ell}$  this Certificate and understands the conditions and limitations under which it was issued.

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# S. B. A. SHIPYARDS, INC. O. BOX 1386

JENNINGS, LOUISIANA 70546 PHONE (318) 824-1519

54/ INVOICE NO.\_\_ Tank Barge JAR-5 and/or Owners and/or Charterers DRDER NO. Job # 170 Sun Oil Co. P.O. Box 2039 DATE\_May 3, 1977 Tulsa, Oklahoma 74102 Att: Mr. Kennedy P. O. NO.

XX<del>XXXXXXX</del>XX NET CASH

RED LETTER CLAUSE

We contract only upon the following terms, applicable to every contract: in the case of a vessel we have a lien upon the vessel for our bill; all time contracts are subject, without responsibility on our part, to delay in case of strike, labor difficulties, fire or causes beyond our control; or liability in case of defective workmanship or material is limited strictly to the proper replacement thereof. In respect of loss and/or damage to the vessel, we will not be responsible unless reported in writing within sixty days of delivery. This is in lieu of all other warranty.

Furthermore, we undertake to perform work on vessels and provide berth, warfage, towage and other services and facilities only upon condition that we shall not be liable in respect to any one vessel, directly or indirectly in contract, tort or otherwise, to its owners, charterers or underwriters for any injury to such vessel, its cargo, equipment or movable stores, or for any consequences thereof, unless such injury is caused by our negligence or the negligence of our employees and in no event shall our aggregate liability to all such parties in interest for damage sustained by them, as a result of such injury, exceed the sum of \$300.000.00.

"In connection with the accident and /or indemnity and /or insurance clauses, if any, contained in your specifications relating to liability for personal injuries, please note that we do not agree to same, insofar as they undertake to impose any liability or any obligations to take out or maintain insurance beyond the liabilities or the obligations to insure imposed upon us by law."

To invoice your account as follows:

Furnish chemicals, equipment and labor to clean vessel for change of Cargo as directed, Barge inspected by rep. of Sun from Sun Oil Station 4/30/77.

Labor & materials. . 4% State & Parish Taxes \$1,619.22

64.78

\$1,684.00

Service Tug Audry F, pick up Barge at mile 302 on Canal, shift to yard, gas free dock, return on Sunday 5/1/77,

500.00

Invoice Amt.

\$2,184.00

Checked By

Nº 170

# SBA SHIPYARDS, INC.

WHITE-OFFICE
BLUE-JOB
GREEN-SMAIHALL
YELLOW-WAREHOUSE

Work Order YELLOW-WAREHOUSE PREPARED BY:\_ NAME OF VESSEL OR EQUIPMENT: CUST. ORDER NO.\_ DATE COMPLETED\_ DATE BILLED INVOICE NO.\_ WORK TO BE DONE: SPECIAL MATERIAL TO BE ORDERED: SUB-CONTRACTS-OUTSIDE WORK:

SBA SHIPYARDS, INC.
Work Order

BLUE-JOB GREEN-SMAIHALL YELLOW-WAREHOUSE

7918-586-6554	P. hear W.D. # 170
	Manual Property of the Control of th
KED BY:	DATE 4 - 37-77
AME OF VESSEL OR EQUIPMENT:	- DERAGINALAR. 5 and
JUNUTA - SUN OIL	G- 3- 13-V 2039-
OWNER: Tulco-OKlehon	CUST. ORDER NO.
and the same of th	DATE COMPLETED TO THE C
DATE BILLED	INVOICE NO.
WORK TO BE DONE:	
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SPECIAL MATERIAL TO BE ORDERED:	
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MARINE CHEF 5, INC. OF TEXAS	MARINE (	CHEMIST CERTIFICATE
P. O. BOX 3 REAUMONT, TEXAS 77704 (409) 832-6409, 866-4822, 866-4223	W10. 1104	* SERIAL NO. D 104244
W. B. HAMAY 537 K. L. MERCER 577		
Survey Requested by	Vessel Owner or Agent	12-19-88 
	TANK BARGE Type of Vessel	SBA Specific Location of Vessel
Vessel		Specific Location of Vessel
Last Three (3) Cargoes	Test Method	Time Survey Completed
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BOW RAKE - SAKE	+ a /1/2011.00 - (a)	Ex En Hamison
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- C- P-11- (	Internal Care	= == 16= 1004
STERN RAKE - SAFE OF HEAVING	of Workships - July	13K 18/100100
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CARGO VANKS		
No. 1-2-3-4 P/5 -	09/17 11-0	
No. 1-2-3-4 10/5-	- Cho LEE - NOT IN	THE TOP HOTWORK
1		
LARGO JANKS No. 5 P/S - S		C = ',,
No. 5 P/S	AFT TOR WORKERS.	- JAFE TOR HOTWERK
IN AR	1995 WHERE ASPHALT	HAS BEEN REMOVED
FIREWATCH WITH C	HARGED TIRE HOSE	REGD ON STAND-13%
FORCED AIR VENTILATIO	W REQD. (MIN.	1000 CEM)
In the event of any physical or atmospheric cha	nges adversely affecting the STANDARD SAFET	TY DESIGNATIONS assigned to any of
the above spaces, or if in any doubt, immediat	tely stop all work and contact the undersigned	Marine Chemist.
QUALIFICATIONS: Transfer of ballast or manipulation of v ject to gas accumulation, unless specifically approved in	n this Certificate, requires inspection and endorse	ment or reissue of Certificate for the spaces
so affected. All lines, vents, heating coils, valves, and s designated.		
STANDARD SAFETY DESIGNATIONS (partial list, paraphrase SAFE FOR WORKERS: Means that in the compartment or sp	pace so designated: (a) the oxygen content of the atmosp	ohere is at least 19.5 percent by volume; and that,
(b) toxic materials in the atmosphere are within permissible conc conditions while maintained as directed on the Marine Chemis		oducing toxic materials under existing atmospheric
NOT SAFE FOR WORKERS: Means that in the compartment so compartment		
inerted spaces or where external hot work is to be performed; flammable limit; and that, (c) the residues are not capable of p	and that, (b) the concentration of flammable materials in	the atmosphere is below 10 percent of the lower
presence of fire, and while maintained as directed on the Marin or combustible materials have been cleaned sufficiently to prev	e Chemist's Certificate; and further, that, (d) all adjacent	spaces containing or having contained flammable
room or fire room bilges, have been treated in accordance wit NOT SAFE FOR HOT WORK: Means that in the compartmen	th the Marine Chemist's requirements.	
SAFE FOR REPAIR YARD ENTRY: Means that the compartme	ents and spaces of the flammable cryogenic liquid carrier	so designated: (a) have been tested by sampling at
remote sampling stations, and results indicate the atmosphere te CHEMIST'S ENDORSEMENT. This is to certify that I have person	nally determined that all spaces in the foregoing list are in	
on Vessels and have found the condition of each to be in account.  "The undersigned acknowledges receipt of this Certificate under Section 2:3 of		existing at the time the inspection herein set forth was completed
understands conditions and limitations under which it was issued."	and is issued subject to compliance wit	
Signed Dugt & -	12/19/88 Signed	mas Meaced 577
Company	Date Manne (	Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

CUSTOMER COPY

Printed in U.S.A.

20M-4-86

BEAUMONT, TEXAS 77704 P. O. BOX 360 SERIAL NO. D 104265 (409) 832-6409, 866-4822, 866-4223 L. MERCER 577 Vessel Owner or Agent Survey Requested by Specific Location of Vessel Type of Vesse Time Survey Completed Test Method Last Three (3) Cargoes In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2) SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met. SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted. CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation. "The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued." This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions Signed. Signed NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS 20M-4-86 Printed in U.S.A CUSTOMER COPY

MARINE CHEMIST CERTIFICATE

MARINE CHEMISTS, INC. OF TEXAS MARINE CHEMIST CERTIFICATE P. O. BOX 3602 BEAUMONT, TEXAS 77704 SERIAL NO. D 1042 (409) 832-6409, 866-4822, 866-4223 W. B. HATAWAY 537 K. L: MERCER Vessel Owner or Agent Survey Requested by Specific Location of Vessel Vesse Type of Vessel Test Method Time Survey Completed Last Three (3) Cargoes In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces

so affected. All lines, vents, heating colls, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed.

Signed

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

20M-4-86